

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference MK-158/A/PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/KR2005/000209	International filing date (<i>day/month/year</i>) 26 JANUARY 2005 (26.01.2005)	(Earliest) Priority Date (<i>day/month/year</i>) 27 JANUARY 2004 (27.01.2004)
Applicant ANYGEN CO., LTD. et al		

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box No. II)

3. ☐ Unity of invention is lacking (See Box No. III)

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

- b. ☐ none of the figure is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2005/000209**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 A61K 31/403, A61P 35/00**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 as above

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean patents and applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

STN [Registry, CAPLUS]

Pubmed [Indirubin AND anticancer]

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/61555 A1 (EISENBRAND) 19 Oct. 2000 See the compounds in example 15 and example 28.	1 - 3
X	WO 01/37819 A2 (CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, EISENBRAND) 31. May 2001 See the compound of formula (I).	1 - 3
X	WO 99/62503 A2 (CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE FRANCE INNOVATION SCIENTIFIQUE ET TRANSFERT, EISENBRAND) 09 Dec. 1999 See the compound of formula (I).	1 - 3
A	WO 00/61124 A2 (EISENBRAND) 19 OCT. 2000 See the whole document.	1 - 3
A	LECLERC et al., 'Indirubins inhibit glycogen synthase kinase-3beta and CDK5/P25, two protein kinases involved in abnormal tau phosphorylation in Alzheimer's disease', J. Biol. Chem. 2001, Vol.276(1), pp.251-260 See the whole document.	1 - 3

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

18 MAY 2005 (18.05.2005)

Date of mailing of the international search report

18 MAY 2005 (18.05.2005)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2005/000209

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 00/61555 A1	19.10.2000	JP 2002541244 T2	03.12.2002
		EP 1169305 A1	09.01.2002
		CA 2369670 AA	19.10.2000
		AU 0041178 A5	14.11.2000
WO 01/37819 A2	31.05.2001	JP 2003514850 T2	22.04.2003
		EP 1231916 A2	21.08.2002
		CA 2387591 AA	31.05.2001
		AU 0121770 A5	04.06.2001
WO 99/62503 A2	09.12.1999	JP 2002516851 T2	11.06.2002
		EP 1079826 A2	07.03.2001
		EP 0966963 A1	29.12.1999
		CA 2333661 AA	09.12.1999
		AU 0762830 B2	03.07.2003
WO 00/61124 A2	19.10.2000	US 6664285	16.12.2003
		JP 2002541189 T2	03.12.2002
		EP 1218004 A2	03.07.2002
		CA 2369626 AA	19.10.2000
		AU 0042949 A5	14.11.2000

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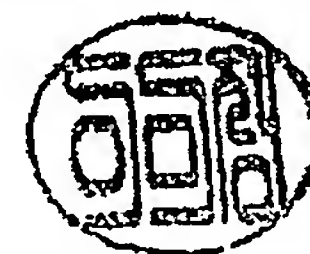
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Facsimile No. 82-42-472-7140

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WO 01/37819 A2	31.05.2001	JP 2003514850 T2 EP 1231916 A2 CA 2387591 AA AU 0121770 A5	22.04.2003 21.08.2002 31.05.2001 04.06.2001
WO 99/62503 A2	09.12.1999	JP 2002516851 T2 EP 1079826 A2 EP 0966963 A1 CA 2333661 AA AU 0762830 B2	11.06.2002 07.03.2001 29.12.1999 09.12.1999 03.07.2003
WO 00/61124 A2	19.10.2000	US 6664285 JP 2002541189 T2 EP 1218004 A2 CA 2369626 AA AU 0042949 A5	16.12.2003 03.12.2002 03.07.2002 19.10.2000 14.11.2000